



# VIRGINIA TREES

for Virginia Landowners



## Seedling Catalog 2011-2012

Virginia  
DOF Nurseries

*Growing Tomorrow's Woods*



Virginia  
Department of Forestry

Order On-Line

[www.BuyVirginiaTrees.com](http://www.BuyVirginiaTrees.com)



# Why Are Virginia Trees Your Best Choice?

The Virginia Department of Forestry has been growing seedlings for Virginia landowners for 94 years. When you put your money in the ground in the form of seedlings, you need to start with the best stock available; stock suited for Virginia soils and climate. The cultural practices that we use in growing seedlings in our seedbeds are based on more than 40 years of research and experience in quality production.

In addition to the wide selection of bare-root seedlings, we also offer specialty seedling packs and seed mixtures suitable for various wildlife habitats, screening, use in wetland areas and for erosion control. Our seedlings are sold directly from the seedbed without replanting, and seedling age is indicated with 1-0, 2-0 and 3-0 (one-, two- and three-year-old).

This Seedling Price Catalog provides pricing for nearly 40 species of seedlings that have been grown at one of Virginia's two State Forestry Centers: the Augusta Forestry Center, near Waynesboro, and the Garland Gray Forestry Center near Littleton. For other conservation/reforestation projects, contact your area forester. All orders made from this catalog or on-line will be shipped from the Augusta Forestry Center via United Parcel Service delivery.

## Cooperative Efforts

The Virginia State Nurseries are proud to be a member of The Cooperative Tree Improvement Program at North Carolina State University. The mission of the Cooperative is to economically increase forest productivity through the genetic manipulation of loblolly pine populations. Enhanced productivity through breeding, selecting and deploying superior loblolly pine families is a major goal of the Cooperative.

## Benefits of Virginia Tree Improvement Research

- ✦ Due to the cooperative sharing of genetic material, all of the best families that are suitable for Virginia are in our program.
- ✦ Selections have continuously placed extra emphasis on properties desirable for solid wood products (straightness, crown characteristics).
- ✦ Some families from other provenances and cold hardiness zones either fail in Virginia or perform erratically.

## Advantages of Our Genetically Improved Loblolly Pine

- ✦ Improved genetics for fast-growing, straight and disease-resistant seedlings.
- ✦ Increased growth and yield over unimproved seedlings: Loblolly Pine Second Generation Orchard Mix shows a 25% gain; Loblolly Pine Third Cycle shows a 30% gain; Loblolly Pine Premium shows a 35% gain; Loblolly Pine Elite shows a 45% gain; Loblolly Pine Controlled Mass Pollination shows a 55% gain, and Loblolly Pine Virginia's Best shows a 62% gain.
- ✦ Increased profits from improved growth.
- ✦ Our seedlings go completely dormant for shipping, and fully dormant seedlings withstand shipment and planting significantly better than non-dormant seedlings.
- ✦ We top clip our seedlings, which controls the shoot/root ratio contributing to excellent survival rates.
- ✦ Limited supply due to scarcity of seed.

# Cost-Share Programs Available for Forest Landowners

## Reforestation of Timberlands Program (RT)

The Virginia legislature authorized the Reforestation of Timberlands Program (RT) in 1970 as a financial incentive for private landowners to plant pine seedlings in response to over-harvesting of pine timber. Funds for the program come from two sources: forest industry and the Commonwealth. The industry pays into the fund through a self-imposed severance tax when timber is harvested. This money is matched with General Revenue funds. The Virginia Department of Forestry's field offices located throughout the state administer the program.

Landowners approved for RT incentive payments carry out reforestation activities, ensuring well-stocked, fast-growing pine plantations. Program benefits include:

- ✦ Up to 100 acres of cost-share assistance, or as little as one acre per planting project.
- ✦ The VDOF offers genetically improved pine seedlings, which tests reveal are producing 25 percent to 62 percent greater volume growth than wild trees, with compact crowns and stem quality for excellent sawtimber production. Growth varies depending on site conditions and management.
- ✦ Continuing commitment of the VDOF field forestry staff to help landowners protect and manage the plantation to meet their objectives.
- ✦ VDOF assistance in helping landowners find contractors for site preparation, planting, herbicide applications, thinning and wildlife habitat enhancement.

## Farm Bill Programs

The 2008 Farm Bill includes a number of cost-share and assistance programs for forest landowners to help them improve the soil and water quality on their land through improving forest health, sustainability and by providing multiple environmental benefits through the long-term growth of their forest. These Farm Bill programs are available in Virginia through a cooperative effort of the USDA Natural Resources Conservation Service (NRCS) and Virginia Department of Forestry (VDOF). Several of the primary programs are summarized below.

### Environmental Quality Incentives Program (EQIP)

This program provides technical assistance and cost-share to eligible landowners for forestry practices, such as site preparation and planting of hardwood and pine trees; fencing to keep livestock out of the forest; forest road stabilization; timber stand improvement (TSI), and invasive species control. Priority is given to projects with multiple management practices to be completed over a number of years.

### Wildlife Habitat Improvement Program (WHIP)

This program provides technical assistance and cost-share to eligible landowners who install wildlife habitat improvement practices on their land. These practices may include tree and shrub planting, prescribed burning, invasive species control, creation of forest openings, riparian buffer establishment and fencing livestock from the forest.

### Wetlands Reserve Program (WRP)

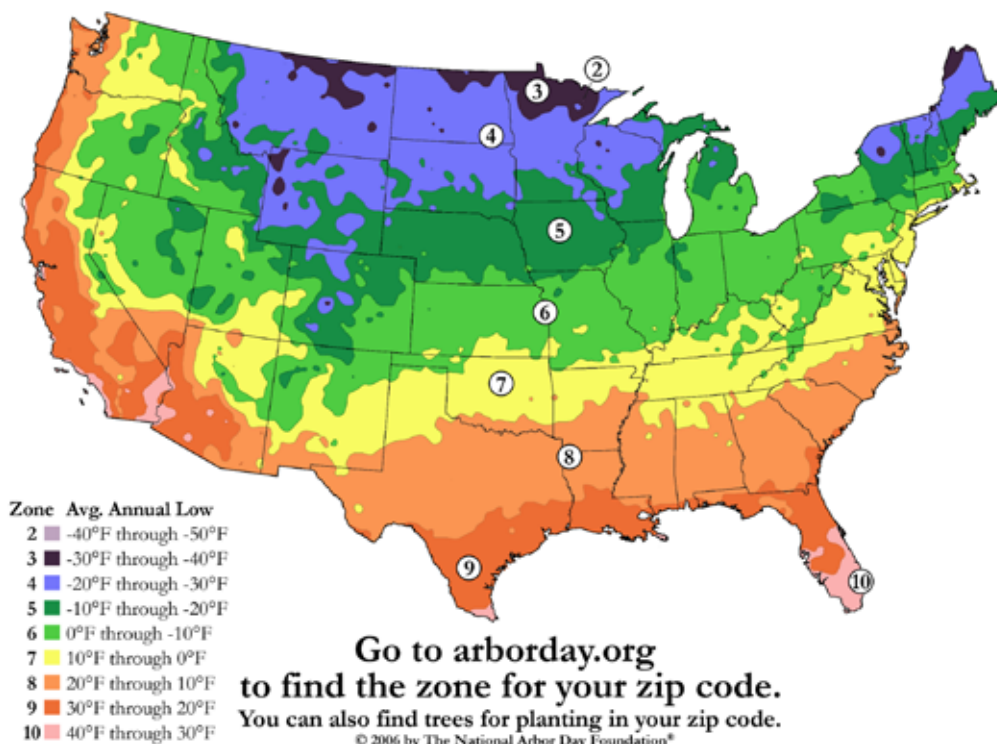
This program provides technical and financial assistance to eligible landowners who restore, enhance and protect wetlands on their property. Landowners are paid for temporary or permanent easements to protect the wetlands.

## Are You Eligible For Assistance?

Check with your local VDOF forester or your local United States Department of Agriculture (USDA) Service Center to learn about programs that may be available to assist you in managing and conserving your forest resources.



## 2006 arborday.org Hardiness Zones Map



## Virginia State Tree Nurseries

### Augusta Forestry Center

The center is located in Augusta County on 178 acres adjacent to the South River. Nearly 40 species of Virginia hardwoods and softwoods are grown in seedbeds covering 100 acres. This center handles the Department's delivery program, which offers tree seedlings, conservation specialty packs and conservation seed mixtures.

90 Forestry Center Lane  
P.O. Box 160  
Crimora, VA 24431-0160  
Phone: (540) 363-5732  
Fax: (540) 363-5055  
Email: [Brenda.Taylor@dof.virginia.gov](mailto:Brenda.Taylor@dof.virginia.gov)  
Nursery Forester: Joshua McLaughlin

### Garland Gray Forestry Center

The center is located next to the Nottoway River, which provides irrigation for 80 acres of loblolly pine seed beds. The sandy soils at this nursery are ideal for pine seedling production. A 213-acre tree seedling nursery was established within the boundaries of the Garland Gray Forestry Center in 1984. Garland Gray Forestry Center has state-of-the-art harvesting equipment and a first-class grading, packaging and cold storage facility for preparing the loblolly tree seedlings for shipment.

Garland Gray Forestry Center  
19127 Sandy Hill Road  
Courtland, VA 23837  
Phone: (804) 834-2855  
Fax: (804) 834-3141  
Nursery Forester: Justin Funk

### Hours of Operation

Monday through Friday  
8 a.m. – 4:30 p.m.



**FOR QUESTIONS  
OR TO ORDER SEEDLINGS, CONTACT:**

**Augusta Forestry Center  
(540) 363-7000  
P.O. Box 160, Crimora, VA 24431**

**ORDER ON-LINE AT  
[www.BuyVirginiaTrees.com](http://www.BuyVirginiaTrees.com)**

## To Place an Order

- ✦ Orders are accepted from September to mid-April.
- ✦ Order on-line at [www.BuyVirginiaTrees.com](http://www.BuyVirginiaTrees.com); by mail using the attached order form, or by phone at (540) 363-7000.
- ✦ Payment in full is required at time of order.

## Shipping and Handling

- ✦ Seedlings are available for pick-up or delivery from January to mid-April depending on weather conditions.
- ✦ Pick-up is available at the Augusta Forestry Center free-of-charge.
- ✦ Shipping charge is 30 percent of the order total with a minimum shipping charge of \$15.
- ✦ Specify a desired shipment date when placing order.
- ✦ All UPS orders are shipped from the Augusta Forestry Center on Mondays, Tuesdays and Wednesdays.
- ✦ Virginia sales tax is 5 percent.

## Tax Exempt

- ✦ **Tax-exempt orders CANNOT be made on-line through the web store. For tax-exempt orders, mail order form with tax-exempt certification section completed to the Augusta Forestry Center with payment.**

## Contents



Apple, Common 1-0.....	6
Ash, Green 1-0 ♦.....	6
Birch, River 1-0.....	7
Buttonbush, Common 1-0 .....	7
Cherry, Black 1-0.....	7
Chestnut, Chinese 1-0.....	8
Chinkapin, Allegheny 1-0 .....	8
Cypress, Bald 1-0.....	9
Dogwood, Kousa 1-0 .....	9
Dogwood, Red Osier 1-0.....	10
Dogwood, Silky 1-0.....	10
Dogwood, White 1-0 .....	11
Hawthorne, Washington 1-0.....	11
Larch, Japanese 1-0.....	11
Lespedeza, Bicolor 1-0 .....	12
Locust, Black 1-0 .....	12
Maple, Red 1-0 .....	13
Maple, Sugar 1-0.....	13
Mulberry, Red 1-0 .....	14
Oak, Black 1-0.....	14
Oak, Chestnut 1-0 .....	14
Oak, Northern Red 1-0.....	15
Oak, Pin 1-0 .....	15
Oak, Sawtooth 1-0.....	16
Oak, White 1-0.....	16
Oak, Willow 1-0.....	17
Pear, Common 1-0 .....	17
Persimmon 1-0 .....	17
Pine, Eastern White 2-0.....	18
Pine, Loblolly 2nd Generation Orchard Mix 1-0.....	19
Pine, Loblolly 3rd Cycle Orchard Mix 1-0.....	19
Pine, Loblolly Premium 1-0 .....	20
Pine, Loblolly Elite 1-0.....	20
Pine, Loblolly Virginia's Best 1-0.....	20
Pine, Loblolly Cont. Mass Poll. 1-0 ..	21
Pine, Scotch 2-0 .....	21
Pine, Shortleaf 1-0 .....	21
Pine, Virginia 1-0.....	22
Plum, American 1-0.....	22
Poplar, Yellow 1-0 .....	22
Redbud 1-0 .....	23
Spruce, Norway 2-0.....	23
Spruce, Norway 3-0.....	24
Sycamore 1-0 .....	24
Walnut, Black 1-0 .....	25
Fall Color Seedling Pack.....	26
Five-By-Five Select Pack.....	26
Wildlife Seedling Packs.....	26
Wildflower Garden Seed Bag.....	26
Wildlife Garden Seed Bag .....	26
Rye Straw .....	26

## Key to Symbols

- ☀ - Full Sun
- ◐ - Sun/Part-Shade
- - Shade Tolerant
- △ - Christmas Tree Species







Janet Muncy, VDOF





Species (Scientific Name)	Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price						
						10	25	50	100	250	500	1000
 <p><b>Birch, River 1-0</b> (<i>Betula nigra</i>)</p> <p>Zone 3-9 ☀️🌑</p> <p>River birch reaches a mature size of 70 to 80 feet in height and 1 to 3 feet in diameter. Seldom harvested, it has been used in the manufacturing of inexpensive furniture, toys, basket hoops and turned articles. It is commonly planted for stream bank restoration and other erosion control situations. It is also an attractive ornamental tree. It is the only birch native to the Coastal Plain in the southeastern United States. Its habitat includes deep, rich soils on stream banks, pond and swamp edges.</p> <p>Courtesy of Smithsonian Institution</p>  <p>Gregg O'Donnell, VDOF</p>	★			★	6 - 14 in.	\$20	\$45	\$75	\$115	\$150	\$220	\$290
<p><b>Buttonbush, Common 1-0</b> (<i>Cephalanthus occidentalis</i>)</p> <p>Zone 5-10 ☀️🌑</p> <p>Common buttonbush reaches a mature size of 15 to 20 feet in height and 6 inches in diameter. This deciduous tree with an upright, multiple-branching shrub form has a fast growth rate. Buttonbush prefers clay, loamy moist but well-drained soils. White tubular flowers appear mid-summer and round clusters of nutlets mature in late summer to fall. The seed is eaten by waterfowl and browsed on by mammals.</p>	★	★			8 - 16 in.	\$20	\$45	\$75	\$115	\$150	\$220	\$290
<p><b>Cherry, Black 1-0</b> (<i>Prunus serotina</i>)</p> <p>Zone 3-9 and ☀️🌑</p> <p>Black cherry is a fast-growing tree, reaching heights of 60 to 100 feet and one to four feet in diameter. This deciduous tree prefers clay, loamy, occasionally wet, well-drained soils. White, very showy flowers appear in early- to mid-spring, emitting a pleasant fragrance. The fruit becomes dark purple to almost black when ripe, maturing in summer. Black cherry is a valuable species; the wood is reddish brown, heavy, hard, strong and fine-grained and often used for furniture and interior finish. The fruit is an important food source for many birds and other wildlife, and is often used in jelly and wine.</p>	★		★		10 - 18 in.	\$20	\$45	\$75	\$115	\$150	\$220	\$290




A decorative graphic at the bottom of the page consisting of three overlapping, wavy horizontal bands. The top band is blue, the middle band is green, and the bottom band is brown. The bands flow from left to right, with the blue band starting high on the left and dipping down, the green band following a similar path but lower, and the brown band appearing on the right side, rising above the green band.





Species (Scientific Name)	Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price						
						10	25	50	100	250	500	1000
 <p>Gregg O'Donnell, VDOF</p>  <p>Gregg O'Donnell, VDOF</p>	★				10 - 20 in.	\$20	\$45	\$75	—	—	—	—
<b>Dogwood, White 1-0</b> <i>(Cornus florida)</i> Zone 5-9 ☀️🌙 White dogwood is a small tree with a short trunk that branches low, producing a slightly rounded to flat-topped crown. This species will reach heights of 20 to 30 feet with a mature diameter of one to two feet, making it a attractive ornamental tree. Growth is best on well-drained, clay, loamy, sandy soils. Very small, inconspicuous flowers that are surrounded by four large white bracts appear in mid-spring. The red to brown wood is hard, strong and very close-grained. Although the fruits are poisonous if eaten by humans, more than 35 species of birds and many large and small mammals are known to eat them. Deer and rabbits browse the foliage and twigs. The white dogwood, otherwise known as flowering dogwood, is the state tree and state flower of Virginia.												
 <p>Courtesy of Smithsonian Institution</p>  <p>Robert H. Mohlenbrock, USDA-NRCS PLANTS Database / USDA SCS. 1991. Southern wetland flora: Field office guide to plant species. South National Technical Center, Fort Worth.</p>	★	★			6 - 12 in.	\$20	\$45	\$75	\$115	\$150	\$220	\$290
<b>Hawthorne, Washington 1-0</b> <i>(Crataegus phaenopyrum)</i> Zone 4-8 ☀️ Washington Hawthorn grows 20 to 35 feet tall in a wide pyramidal shape. The tree has a rapid growth rate when young, slowing with age. It is tolerant of many different soil types. The small, white, abundant flowers, produced in clusters in late spring are followed by showy orange to red fruit that persist into winter. It is an excellent species for wildlife. The fall leaf color is orange to red and can be quite striking. Used for buffer strips around parking lots or for median strip planting in the highway and as a residential street tree.												
<b>Larch, Japanese 1-0</b> <i>(Larix leptolepis)</i> Zone 5-7 ☀️🌙 Japanese larch is a fast-growing tree that reaches heights of 65 to 120 feet and diameter of three to four feet. This deciduous tree prefers loamy, sandy, moist but well-drained soils. Its needles are green to blue-green in color. The Japanese larch produces small cones and yellow flowers in spring. Wood is strong and durable, sometimes used for construction material and fence posts; trees used for wind breaks and wildlife cover.			★	★	18 - 36 in.	\$20	\$45	\$65	\$90	\$120	\$160	\$200





Species (Scientific Name)	Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price							
						10	25	50	100	250	500	1000	
<div></div> <div>Courtesy of USDA-NRCS</div> <div></div> <div>G. A. Cooper, Courtesy of Smithsonian Institution</div>	<div><b>Lespedeza, Bicolor 1-0</b> (Lespedeza bicolor)</div> <div>Zones 4-8 ☀️</div> <div>Bicolor lespedeza was introduced primarily to provide legume food and cover to popular game animals. Target wildlife includes ringneck pheasants, bobwhite quail, cottontail rabbits and whitetailed deer. Honeybees are also attracted to their pinkish to purple flowers, which bloom in late summer when few other plants valuable to beekeepers are blooming. The masses of late summer blooms also make it a valuable landscaping plant for borders and hedges. Bicolor lespedeza is best used as field borders and along woodlands, on spoilbanks resulting from ditching and in small odd areas devoted to wildlife habitat improvement. Its mature height is 4 to 6 feet.</div>	★				8 - 14 in.	\$20	\$45	\$60	\$65	\$75	\$95	\$125
<div></div> <div>Ellen Powell, VDOF</div> <div></div> <div>Courtesy of Smithsonian Institution</div>	<div><b>Locust, Black 1-0</b> (Robinia pseudoacacia)</div> <div>Zone 4-8 ☀️🌑</div> <div>Black locust reaches a mature size of 30 to 70 feet in height and 1 to 2 feet in diameter. It grows on a variety of sites, including disturbed areas, but grows best on moist loams of limestone origin. The wood is used extensively for fence posts, poles, mine timbers, split rails and decking, as well as for pulpwood and fuel. Sprouts and seedlings are important food for cottontail rabbits and deer. The flowers are an important nectar source for honey production. Black locust is a nitrogen fixer and is good for reclaiming mine sites and other disturbed lands.</div>	★	★	★		8 - 14 in.	\$20	\$45	\$60	\$65	\$75	\$95	\$125




Species (Scientific Name)	Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price						
						10	25	50	100	250	500	1000
 <p>Janet Muncy, VDOF</p>  <p>Janet Muncy, VDOF</p>  <p>Janet Muncy, VDOF</p>	★	★	★		Call for Size	\$20	\$45	\$75	\$115	\$160	\$220	\$290
<p><b>Maple, Red 1-0</b> (<i>Acer rubrum</i>)</p> <p>Zone 3-9 ☀️🌙</p> <p>Red maple reaches a mature size of up to 90 feet in height and 2 ½ feet in diameter. It grows on a variety of sites, from dry ridges to swamps. The light cream-colored wood is used for furniture, turnery, woodenware and paper pulp. Red maple can be tapped for syrup-making. The fruit and buds are a primary food source for gray squirrels in late winter and early spring. Birds and mice eat the seeds, and deer browse the young sprouts. Red maple is a popular shade and ornamental tree, with brilliant fall color.</p>												
<p><b>Maple, Sugar 1-0</b> (<i>Acer saccharum</i>)</p> <p>Zone 3-8 ☀️🌙</p> <p>Sugar maple reaches a mature size of 70 to 100 feet in height and 2 to 3 feet in diameter. It is a fairly large tree with dense, oval crown, and grows in clay, loam and sand. The pale brown- or pink-colored wood is hard, heavy, strong and close-grained, and used for flooring, furniture, veneer and novelties. The trees are tapped for their sweet syrup. Birds and small mammals eat the seeds; rabbits, deer and squirrels browse the twigs; and sapsuckers ring the tree with holes and return to feed on the sap and insects it attracts. Sugar maple is a popular shade and ornamental tree, with brilliant fall color.</p>					6 - 12 in.	\$20	\$45	\$75	\$115	\$160	\$220	\$290

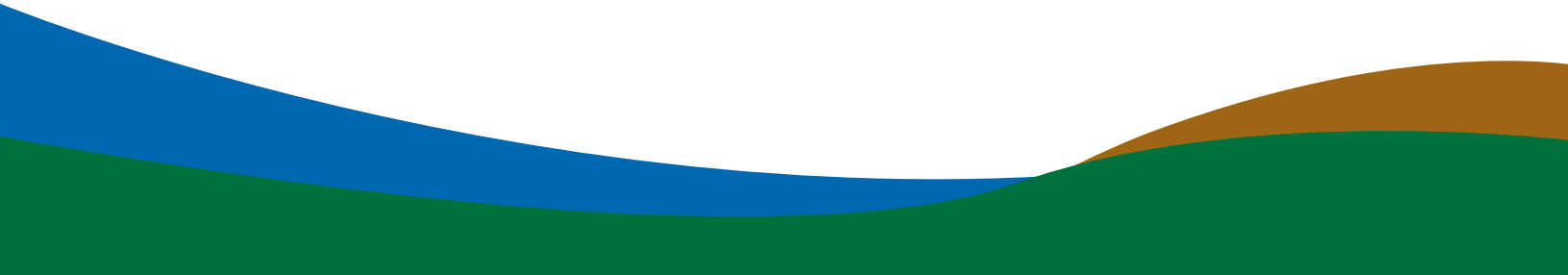
Robert H. Mohlenbrock, USDA-NRCS  
PLANTS Database / USDA NRCS. 1995.  
Northeast wetland flora: Field office guide  
to plant species. Northeast National  
Technical Center, Chester.










Species (Scientific Name)	Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price							
						10	25	50	100	250	500	1000	
<div></div> <div>Sonya Milstead</div> <div></div> <div>Sonya Milstead</div>	<div><b>Oak, Willow 1-0</b> (Quercus phellos)</div> <div>Zone 5-9 ☀️</div> <div>Willow oak reaches a mature size of 50 to 80 feet in height and 1 to 2 ½ feet in diameter. Its habitat includes lowlands, river and swamp borders, and rich, sandy uplands. The wood is used for crossties, rough construction and pulpwood. The tree produces good acorn crops, making it a valuable and dependable wildlife food source. Willow oak is long lived and fast growing, and it is widely planted as a landscape tree.</div>	★	★	★		10 - 20 in.	\$20	\$45	\$75	\$115	\$175	\$230	\$315
	<div><b>Pear, Common 1-0</b> (Pyrus communis)</div> <div>Zone 4-8 🌞🌑</div> <div>This deciduous tree reaches a mature size of 35 to 50 feet in height and 1 to 1 ½ feet in diameter. It has an upright and conical form with narrow branch angles. This tree will grow in clay, loam, well-drained soil or moist soil. Custers of showy white flowers appear in early to mid-spring before or with the leaves. The tree produces an edible fruit, 3 to 4 inch pear. A great wildlife tree that produces abundant fruit for many species, such as deer, bear and raccoon.</div>	★				6 - 12 in.	\$20	\$45	\$75	\$115	\$150	\$220	\$290
<div></div> <div>Courtesy of Smithsonian Institution</div> <div></div> <div>G. A. Cooper, Courtesy of Smithsonian Institution</div>	<div><b>Persimmon 1-0</b> (Diospyros virginiana)</div> <div>Zone 4-9 ☀️</div> <div>Persimmon reaches a mature size of 20 to 60 feet in height and 1 to 2 feet in diameter. It grows on a wide variety of sites, from sandy woods to moist river bottoms to rocky slopes. The wood is very hard and has been used for spindles, shutters, golf club heads and other items that require shock-resistance. The fruit is eaten by humans, as well as by opossums, raccoons, skunks, foxes and many songbirds.</div>	★	★	★		6 - 12 in.	\$20	\$45	\$75	\$115	\$150	\$220	\$290






Species (Scientific Name)		Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price						
							10	25	50	100	250	500	1000
	<b>Pine, Eastern White 2-0</b> ( <i>Pinus strobes</i> )  Zone 3-7 ☀️🌙🌲  Our 2-year-old eastern white pine reaches a mature size of 80 to 100 feet in height and 2 to 3 feet in diameter, but can reach 200 feet in height. The eastern white pine is the largest conifer in eastern North American. The wood is used for construction lumber, cabinet making, furniture and interior finish. White pines are also grown for Christmas trees, and are planted to stabilize the soil on strip-mined lands. Commonly found on dry, sandy or rocky ridges, but grows best on moist, sandy loam soils. This conifer provides thermal cover in winter for many species of animals and birds.	★		★		6 - 12 in.	\$20	\$45	\$52	\$58	\$64	\$70	\$105
													
													



Species (Scientific Name)	Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price						
						10	25	50	100	250	500	1000
 <p>Janet Muncy, VDOF</p>  <p>??? G. A. Cooper, Courtesy of Smithsonian Institution</p>	★		★		8 - 10 in.	—	—	\$30	\$35	\$40	\$45	\$55
<b>Pine, Loblolly 2nd Generation Orchard Mix 1-0</b> <i>(Pinus taeda)</i> Zone 6-9 ☀️ Loblolly pine reaches a mature size of 90 to 110 feet in height and 2 to 3 feet in diameter. It is used for lumber, paper pulp, plywood, poles, pilings and fuel. Loblolly pine is a common southern shade tree. Pine stands provide habitat for pine warbler, brown-headed nuthatch, deer, gray and fox squirrels, quail, turkey and other wildlife species. Large loblolly pines are a common nesting site for ospreys and bald eagles. Loblolly pine is the most important commercial timber tree in Virginia and the Southeast. Grows best in old fields, sandy soils where the water table is close to the surface, borders of swamps, and other imperfectly drained sites. These seedlings grow 25 percent faster than unimproved seedlings. * Loblolly pine is available in small quantities in the "Five-by-Five Select Pack."												
<b>Pine, Loblolly 3rd Cycle Orchard Mix 1-0</b> <i>(Pinus taeda)</i> Zone 6-9 ☀️ Loblolly pine reaches a mature size of 90 to 110 feet in height and 2 to 3 feet in diameter. It is used for lumber, paper pulp, plywood, poles, pilings and fuel. Loblolly pine is a common southern shade tree. Pine stands provide habitat for pine warbler, brown-headed nuthatch, deer, gray and fox squirrels, quail, turkey and other wildlife species. Large loblolly pines are a common nesting site for ospreys and bald eagles. Loblolly pine is the most important commercial timber tree in Virginia and the Southeast. Grows best in old fields, sandy soils where the water table is close to the surface, borders of swamps, and other imperfectly drained sites. From our newest seed orchards, these orchard mix seedlings grow 30 percent faster than unimproved seedlings.	★		★		8 - 10 in.	—	—	\$35	\$40	\$45	\$50	\$65


Species (Scientific Name)		Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price						
							10	25	50	100	250	500	1000
 Janet Muncy, VDOF	<b>Pine, Loblolly Premium 1-0</b> (Pinus taeda)  Zone 6-9 ☀️  Our “premium” loblolly pine is a combination of our 3rd and 4th best producers. Growth and yield show a 35 percent increase in production over unimproved seedlings. We are a member of The Cooperative Tree Improvement Program at NC State, which started the breeding effort for loblolly pine in 1956. Through the application of traditional breeding methods used in agronomic and horticulture crops for decades, tree breeders have developed families or varieties of loblolly pine that produce 30 to 50 percent more wood per acre than what was available 40 years ago. These families are more resistant to fusiform rust disease; have better wood quality due to enhancement of straightness and disease resistance, and are widely adapted to a range of site types and forest management regimes.	★		★		8 - 10 in.	—	—	\$40	\$45	\$50	\$55	\$70
	<b>Pine, Loblolly Elite 1-0</b> (Pinus taeda)  Zone 6-9 ☀️  Our “elite” loblolly pine includes the best genetics available for Virginia growing conditions. As the name suggests, it includes families that display superior performance. We took some of our top producers and combined them into one seed lot. The Elite shows a 45 percent gain in growth and yield over unimproved seedlings. The price reflects the limited quantity available for sale. These seedlings are well worth the investment!	★		★		8 - 10 in.	—	—	\$45	\$50	\$55	\$65	\$80
	<b>Pine, Loblolly Controlled Mass Pollination 1-0</b> (Pinus taeda)  Zone 6-9 ☀️  This is the inaugural season for our controlled-mass-pollinated seedlings. This labor-intensive practice involves isolating female flowers prior to maturation to ensure the paternal DNA of the offspring. Essentially, after the controlled pollination has taken place, we will have seed with known parents. The testing on these seedlings has proven to be more accurate in rating growth potential. Even though the pollination is controlled, we still have considerable diversity within this seed lot. Our tree improvement personnel were able to cross several families this year and we will combine these into one seed lot. The outcome will be a 55 percent gain above unimproved seedlings.	★		★		8 - 10 in.	—	—	\$65	\$70	\$75	\$85	\$100

Species <i>(Scientific Name)</i>		Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price						
							10	25	50	100	250	500	1000
	<p><b>Pine, Loblolly Virginia's Best 1-0</b> <i>(Pinus taeda)</i></p> <p>Zone 6-9 ☀️</p> <p>Given the increased demand for quick returns, we have isolated our top-rated family to sell as a separate seed lot. This family has been extensively tested in Virginia and out-competes all other families within our genetic pool. Growth and yield testing has shown the potential for gains up to 62 percent above unimproved seedlings. For landowners managing timber for income, this offering was created for you!</p>	★		★		8 - 10 in.	—	—	\$65	\$70	\$75	\$85	\$100
 <p>Richard A. Howard Image Collection, Courtesy of Smithsonian Institution</p>  <p>Janet Muncy, VDOF</p>	<p><b>Pine, Scotch 2-0</b> <i>(Pinus sylvestris rhodopaea)</i></p> <p>Zone 4-7 ☀️🌲</p> <p>Scotch pine is a medium-sized tree reaching up to 90 feet tall. Typically pyramidal when young, becoming more rounded and open with age. Prefers moist, well-drained soils, but will tolerate drier sites. Used as an ornamental landscape tree for homes and public grounds. Orange, peeling bark provides visual accents. Extensively planted for Christmas trees, and provides a nesting site and winter cover for wildlife.</p>	★		★		8 - 10 in.	\$20	\$45	\$50	\$55	\$65	\$85	\$120
	<p><b>Pine, Shortleaf 1-0</b> <i>(Pinus echinata)</i></p> <p>Zone 6-9 ☀️🌲</p> <p>Shortleaf pine reaches a mature size of 80 to 100 feet in height and 2 to 3 feet in diameter. It is used largely for interior and exterior finishing, flooring, general construction, veneers, paper pulp and poles. Shortleaf pine produces high-quality lumber. It grows best on deep, well-drained soils, but tolerates nutrient-deficient sites.</p>			★		8 - 15 in.	\$20	\$45	\$65	\$70	\$75	\$95	\$115

Species (Scientific Name)	Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price							
						10	25	50	100	250	500	1000	
 Sonya Milstead  Warren Coburn, VDOF	<b>Pine, Virginia 1-0</b> ( <i>Pinus virginiana</i> )  Zone 4-8 ☀️⚠️  Virginia pine reaches a mature size of 50 to 80 feet in height and 12 to 14 inches in diameter. The lumber is used for rough construction but warps easily with alternate wetting and drying. The wood has a very long fiber and makes excellent paper pulp. Small songbirds eat the seeds and may roost in thick stands of young pine. Virginia pine's tolerance for poor soil makes it suitable for reclaiming strip-mined lands. Its habitat includes various well-drained soils, and it can tolerate eroded and dry soil.	★	★	★		8 - 14 in.	\$20	\$45	\$50	\$55	\$60	\$65	\$75
 Sonya Milstead  Sonya Milstead	<b>Plum, American 1-0</b> ( <i>Prunus americana</i> )  Zone 3-8 ☀️  American plum is a shrub or small tree reaching up to 30 to 35 feet tall. It often spreads by shoots to form thickets, which are important for songbird and animal nesting, loafing, and bedding. Bright red, one-inch plums provide excellent food for wildlife. Fruit is eaten fresh and processed as preserves and jellies. American plum grows best on rich, moist bottomland soils.	★	★			12 - 20 in.	\$20	\$45	\$75	\$115	\$150	\$220	—
 Courtesy of Smithsonian Institution  Tom Barnes, University of Kentucky	<b>Poplar, Yellow 1-0</b> ( <i>Liriodendron tulipifera</i> )  Zone 4-9 ☀️  Yellow-poplar reaches a mature size of 90 to 110 feet in height and 2 to 3 feet in diameter, but can reach nearly 200 feet in height and 10 feet in diameter. Its habitat includes various moist, well-drained sites statewide, but it attains best growth on deep moist soils along streams and in lower mountain coves. The wood is used for lumber, trim, veneers, flake and chip boards, plywood, core stock of furniture, paper pulp and fuel. Sprouts and buds are a major food of deer, and birds and squirrels eat the seeds. The flowers are an important nectar source for honey production. Yellow-poplar makes an impressive shade tree for large landscapes.	★		★	★	6 - 12 in.	\$20	\$45	\$75	\$115	\$175	\$230	\$315



Larry Allain, USGS National Wetlands  
Research Center / USDA-NRCS PLANTS  
Database

Species (Scientific Name)		Wildlife Food/Habitat	Wetland/Riparian	Forest Products	Not Preferred by Deer	Seedling Height	Quantity/Price						
							10	25	50	100	250	500	1000
	<b>Walnut, Black 1-0</b> (Juglans nigra)  Zone 4-9 ☀  Black walnut reaches a mature size of 50 to 90 feet in height and 2 to 3 feet in diameter. The heartwood is heavy, hard and strong, with a rich chocolate-brown color of superior quality and value. It is prized for veneer, fine furniture, paneling, cabinetwork and gun stocks. The nut shells are ground into an abrasive cleaning agent for jet engines, filler for dynamite, a filter agent in smokestacks and a flour-like carrying agent for insecticides. Squirrels, birds and people eat the sweet, oily nuts. Its habitat includes deep, well-drained soils, and it grows best on the lower north- or east-facing slopes.	★	★	★	★	12 - 24 in.	\$20	\$45	\$75	\$115	\$175	\$230	\$315

Herman, D.E., et al. 1996. North Dakota tree handbook. USDA NRCS ND State Soil Conservation Committee; NDSU Extension and Western Area Power Administration, Bismarck.

Specialty Packs & Seed Mixes		Contents	Price
	<b>Fall Color Seedling Pack</b>	Contains these species for a total of 25 Seedlings: 5 Maple, Red 1-0 10 Oak, Pin 1-0 10 Poplar, Yellow 1-0	\$50.00/25-pack
	<b>Five-By-Five Select Pack</b> <i>(Each species is in 5-packs.)</i>	Select five (5) species for a total of 25 Seedlings: Ash, Green 1-0 Oak, N. Red 1-0 Oak, White 1-0 Pine, Loblolly 2nd Gen. 1-0 Pine, Scotch 2-0 Pine, VA Shortleaf 1-0 Pine, Virginia 1-0 Pine, Eastern White 2-0 Spruce, Norway 2-0	\$50.00/25-pack
	<b>Wildlife Seedling Packs</b>	Contains these species for a total of 100 Seedlings: 5 Plum, American 1-0 10 Chestnut, Chinese 1-0 25 Apple, Common 1-0 25 Lespedeza, Bicolor 1-0 25 Oak, Sawtooth 1-0 10 Persimmon 1-0	\$125.00/100-pack
	<b>Wildflower Garden Seed Bag</b>	Suitable for a 10 ft. by 10 ft. area. Contains 27 different kinds of wildflowers	\$20.00/bag
	<b>Wildlife Garden Seed Bag</b>	Suitable for a 10 ft. by 10 ft. area. Contains these species: 25% grain sorghum 25% buckwheat 23% Korean lespedeza 22% German millet 5% rape plus sunflower	\$20.00/bag
	<b>Rye Straw</b>	Available for pick up at the Augusta Forestry Center only	\$4.50/bale

Form 30C  
08/01/2011

# VIRGINIA DEPARTMENT OF FORESTRY

## TREE SEEDLING CATALOG ORDER

NAME: \_\_\_\_\_  
PRINT CLEARLY - THIS IS YOUR SHIPPING LABELADDRESS: \_\_\_\_\_  
STREET ADDRESS OR RURAL ROUTE AND BOX NUMBER (P.O. BOX IS NOT ACCEPTABLE)

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TELEPHONE: \_\_\_\_\_  
HOME \_\_\_\_\_ WORK \_\_\_\_\_

E-MAIL ADDRESS: \_\_\_\_\_

REQUESTED SHIPPING DATE: \_\_\_\_\_ (We ship on Mondays, Tuesdays, and Wednesdays from January through mid-April.)

## DOF USE ONLY

Order No. \_\_\_\_\_

Receipt No. \_\_\_\_\_

Region \_\_\_\_\_

County \_\_\_\_\_

QUANTITY NEEDED	DESCRIPTION (Kind of Trees, Seeds or Package)	PRICE PER UNIT	TOTAL COST
Subtotal			
Sales Tax (5% of Order Subtotal) [Tax exempt orders must complete Tax Exempt Certification box below]			
Shipping and Handling (30% of Order Subtotal; \$15 minimum)			
Total Amount Due (Payment must be enclosed at the time of order.)			

◆ No refunds after May 1<sup>st</sup>. ◆ A \$20.00 service charge will be applied to all refunds except those caused by the nurseries' inability to deliver ordered seedlings.

◆ If seedlings do not arrive in good condition, (i.e. dry, damaged or diseased), claims must be made by telephone or in writing within 7 days of receipt. All unsatisfactory or rejected goods must be held for our advice or disposition. It is agreed between the purchaser and the Department of Forestry that our liability will not exceed the original purchase price of the product. The Department of Forestry assumes no responsibility or liability for the planting of any tree seedlings and in the sale thereof, makes no warranties, expressed or implied, of merchantability or fitness for a particular purpose and makes no warranties regarding the survival or rate of growth of any seedlings.

☐ I have enclosed a check made payable to "State Forester".☐ I hereby authorize the Virginia Department of Forestry to charge my credit card.☐ VISA    ☐ MASTERCARD    Signature: \_\_\_\_\_

Cardholder Address (if different from delivery address): \_\_\_\_\_

Credit Card No.: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

*Note: Credit card orders will be charged on the date of order.***TAX EXEMPT CERTIFICATION (ONLY COMPLETE IF YOU QUALIFY FOR TAX EXEMPTION)**

I agree that I qualify for the agricultural exemption from Virginia Retail Sales and Use Tax on Seedlings purchased from the Virginia Department of Forestry as the trees are to be planted for future commercial production of timber; or that I otherwise qualify for exemption from Virginia Retail Sales and Use Tax due to organization affiliation.

SIGNATURE \_\_\_\_\_

TAX EXEMPT NUMBER \_\_\_\_\_

**RETURN ORDER TO:**  
**AUGUSTA FORESTRY CENTER**  
**P.O. Box 160, Crimora, VA 24431**
**Phone: (540)363-7000**  
**Fax (540)363-5055**

Terms and Conditions:

- A \$20 service charge will be applied to all refunds except those caused by the nurseries’ inability to deliver ordered seedlings.
- Full refund will be made, without penalty, in the event the Department is unable to make delivery for any reason.
- If seedlings do not arrive in good condition, (i.e. dry, damaged or diseased), claims must be made by telephone or in writing within 7 days of receipt. All unsatisfactory or rejected goods must be held for our advice or disposition.
- It is agreed between the purchaser and the Department of Forestry that our liability will not exceed the original purchase price of the product excluding shipping costs.
- The Department of Forestry assumes no responsibility or liability for the planting of any tree seedlings and in the sale thereof, makes no warranties, expressed or implied, of merchantability or fitness for a particular purpose and makes no warranties regarding the survival or rate of growth of any seedlings.
- No refunds after May 1st.
- Prices subject to change without notice.

Enabling Legislation

Title 10, Subtitle 2, Chapter 11, Section 10.1-1114 of the *Code of Virginia*. As a direct means of re-establishing forests on lands in Virginia, the Department of Forestry, hereafter referred to as the Department, grows tree seedlings for sale at cost to private and public landowners for foresting lands in Virginia.

Notes



For More Information

For more information on how the Virginia Department of Forestry can help you, call your local VDOF office or visit the agency website at [www.dof.virginia.gov](http://www.dof.virginia.gov).



**Virginia Department of Forestry**  
900 Natural Resources Drive, Suite 800  
Charlottesville, Virginia 22903  
Phone: (434) 977-6555  
[www.dof.virginia.gov](http://www.dof.virginia.gov)

VDOF P00102; 09/2011